

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A parking assist apparatus comprising:

a target parking position setting means for setting a target parking position in which a vehicle is desired to be parked by an operation on a display for a position setting appearing on an actual image that shows vehicle based on an image displaying surroundings of a vehicle;

a traveling locus calculating means for calculating a traveling locus from a present vehicle position to the target parking position set by the target parking position setting means; ~~for performing a parking assist to guide the vehicle along the traveling locus; and~~

a memory means for ~~keeping storing an information of the traveling locus being generated at a time immediately before a resetting of the target parking position is performed until a new traveling locus to a new target parking position is generated by the calculation of the traveling locus calculating means under a condition that the parking assist is once started based on the traveling locus initially generated by the calculation of the traveling locus calculating means and when the resetting of the target parking position is performed by the target parking position setting means before the vehicle reaches the target parking position being initially set~~ maintaining storage of the traveling locus generated before a change of the target parking position is performed by the target parking position setting means until

a new traveling locus is generated in response to the change of the target parking position after a parking assist control is started based on the traveling locus initially generated by the traveling locus calculating means before the change of the target parking position; and

a parking assist means for assisting parking of the vehicle based on the traveling locus, the parking assist means assisting the parking of the vehicle based on the new traveling locus when the new traveling locus is generated by the traveling locus calculating means, and the parking assist means assisting the parking of the vehicle at the target parking position based on the traveling locus stored in the memory means and generated before the change of the target parking position when the new traveling locus is not generated by the traveling locus calculating means following the change of the target parking position by the target parking position setting means.

2. (Currently Amended) A parking assist apparatus according to claim 1, wherein the memory means stores ~~the~~ information of the traveling locus being generated at a time immediately before the target parking position is changed ~~resetting is performed~~ and an information of the target parking position being set at a time immediately before the ~~resetting is performed~~ target parking position is changed.

3. (Cancelled)

4. (Cancelled)

5. (Currently Amended) A parking assist apparatus according to claim 1, wherein the memory means ~~keeps storing the information~~ maintains storage of the traveling locus ~~being~~ generated at a time immediately before the change of the target parking position ~~resetting~~ is performed when a difference between the target parking position ~~newly set~~ changed by the target parking position setting means and the target parking position ~~being~~ set at a time immediately before the target parking position is changed ~~resetting is performed~~ is equal to or smaller than a predetermined value.

6. (Currently Amended) A parking assist apparatus according to claim 2, wherein the memory means ~~keeps storing the information~~ maintains storage of the traveling locus ~~being~~ generated at a time immediately before the change of the target parking position ~~resetting~~ is performed when a difference between the target parking position ~~newly set~~ changed by the target parking position setting means and the target parking position ~~being~~ set at a time immediately before the target parking position is changed ~~resetting is performed~~ is equal to or smaller than a predetermined value

7. (Currently Amended) A parking assist apparatus according to claim 5, wherein the target parking position is changed to a newly set target parking position by resetting, and wherein when the difference between the newly set target parking position and the target parking position ~~being~~ set at a time immediately before the ~~resetting is performed~~ is equal to or smaller than the predetermined value after the

resetting of the target parking position ~~is performed~~ by the target parking position setting means, the traveling locus to the newly set target parking position stops being calculated by the traveling locus calculating means and the parking assist control is continued based on the traveling locus ~~being~~ generated at a time immediately before the resetting. ~~is performed, the traveling locus being stored in the memory means.~~

8. (Currently Amended) A parking assist apparatus according to claim 6, wherein the target parking position is changed to a newly set target parking position by resetting, and wherein when the difference between the newly set target parking position and the target parking position ~~being~~ set at a time immediately before the resetting ~~is performed~~ is equal to or smaller than the predetermined value after the resetting of the target parking position ~~is performed~~ by the target parking position setting means, the traveling locus to the newly set target parking position stops being calculated by the traveling locus calculating means and the parking assist control is continued based on the traveling locus ~~being~~ generated at a time immediately before the resetting. ~~is performed, the traveling locus being stored in the memory means.~~